

W. W. # 246

Lot 11, Blk. 6, Philbrook Add to
Hobson

Howard and Mary E. Knight

121382

State of Montana

County of Judith Basin

Filed for record this 13th
day of August A.D. 1963 at 10:00
o'clock A.M.

Delight Leslie, Clk. & Re

by Betty Crout Dep.

Fee \$2.00 pd.

File No. _____

T. 14 R. 15

DUPLICATE

County Judith Basin

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

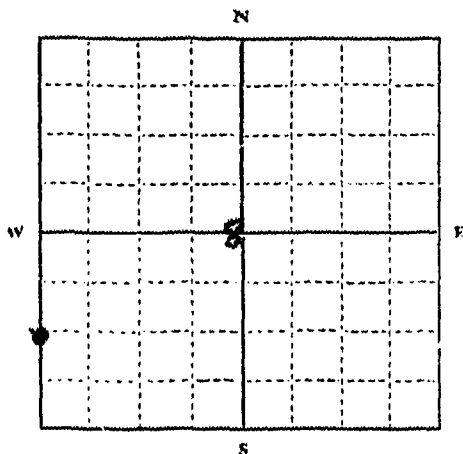
RECEIVED
JAN 15 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Jamie R. Stevenson, of Hobson
(Name of Appropriator) (Address) (Town)
County of Judith Basin State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NW 1/4 SW 1/4
1/4 Sec. 8 T. 14 R. 15

Indicate point of appropriation
and place of use, if possible. Each
small square represents 10 acres.

2. The beneficial use on which the claim is based stock water,
house water, irrigation
3. Date or approximate date of earliest beneficial use; and how continu-
ous the use has been Continuous use since
1900
4. The amount of groundwater claimed (in miner's inches or gallons
per minute) 20 miners inches per minute
from natural spring
5. If used for irrigation, give the acreage and description of the lands
to which water has been applied and name of the owner thereof
Irrigates approximately 40 acres of land
in the NE 1/4, NE 1/4 Sec. 17, Twp 14, Rge 15 owned
by Jamie R. Stevenson
6. The means of withdrawing such water from the ground and the loca-
tion of each well or other means of withdrawal Withdrawal
by natural springs
7. The date of commencement and completion of the construction of the well, wells, or other works for with-
drawal of groundwater Water withdrawn by natural means
8. The depth of water table Water comes to surface as a natural spring
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other
works for the withdrawal of groundwater Not applicable
10. The estimated amount of groundwater withdrawn each year 20 miners inches per minute
11. The log of formations encountered in the drilling of each well if available Not applicable
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including
reference to book and page of any county record

Signature of Owner

Date Dec 30 - 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of
Mines and Geology, and Quadruplicate for the Appropriator.

32737

File No. 242 461

Janis Stevenson

Nov/57/ 8-14-15

Filed this 30th day of December

A. D. 1957 at 2:05 P.M.

Delight Leslie by Betty C. C. C.
Deputy

State of Montana

County of Judith Basin

File No.

T. 14 R. 15

DUPLICATE

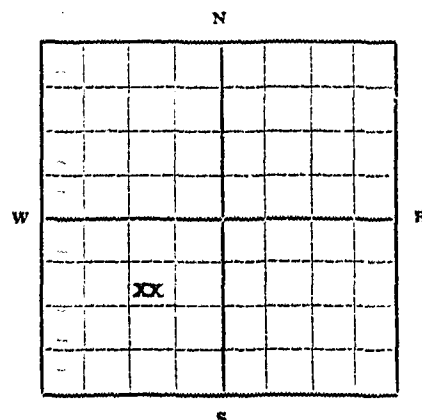
County Judith Basin

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED
FEB 23 1963
STATE ENGINEER

1. R. P. and Helen Matzinger, of Hobson,
(Name of Appropriator) (Address) (Town)
County of Judith Basin State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1963, as follows:



NE SW 1/4 Sec. 19 T. 14 R. 15

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based
Well No. 1 house use
Well No. 2 stock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been
Well No. 1 1951
Well No. 2 1956

4. The amount of groundwater claimed (in miner's inches or gallons per minute)

Well No. 1 10 gal per min.
Well No. 2 12 gal per min.

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal

Well No. 1 electric pump
Well No. 2 flowing well

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
Well No. 1 1951
Well No. 2 1956

8. The depth of water table

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater

Well No. 1 430' deep with 7" casing
Well No. 2 1335' deep with 2" casing

10. The estimated amount of groundwater withdrawn each year Not known

11. The log of formations encountered in the drilling of each well if available

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.

Signature of Owner Helen E. Matzinger

Date February 14, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

3758

Well No. 1

0 - 10 surface gravel & rock
 10 - 430 shale blue.
 7" O D casing set at 108', cemented with
 10 sacks cement. top of artesian flow at
 about 411'. This water appears to be coming
 out of a gravel formation.

Well No. 2

0 - 14 Overburden
 14-16 Sandstone
 16 - 20 Shale
 20-22 Sandstone
 22 - 135 Shale
 135 - 276 Blue Shale
 276 - 278 Sandstone
 278 - 305 Sandy Shale
 305 312 Sandstone
 312 - 352 Sandy Shale
 352 - 355 Bentonite
 355 - 366 Hard Sandstone
 365 - 375 Sandy Shale
 375 - 378 Hard Sandstone
 278 - 285 Sandy Shale
 385 - 415 Soft Sandstone
 415 - 465 Sandy Shale (Little water running over)
 465 - 473 Hard Sandstone
 473 507 Hard Sandy Shale
 507 - 512 Hard Sandstone
 512 - 522 Sandy Shale
 522 - 540 Shale
 540 - 550 Hard Sandstone
 550 - 630 Sandy Shale
 630 - 680 Blue Shale
 680 - 690 Shale
 690 - 695 Sandstone
 695 - 760 Sandy Shale
 760 - 775 Sandstone
 775 - 812 Sandy Shale
 812 - 825 Sandstone
 825 - 830 Sandy Shale
 830 - 857 Sandstone
 857 - 859 Red Shale (1 qt. in 8 sec. running over)
 859 - 920 Red Shale
 920 - 926 Sandstone
 926 - 960 Grey Shale
 960 - 985 Sandy Shale
 985 - 1095 Grey Shale
 1075 - 1195 Grey shale and sandstone
 1195 - 1200 Red Shale
 1200 1205 Red Sandy shale

1205 - 1255 Sandy shale with layers of sandstone
 1255 - 1315 Medium hard to hard sandstone
 1315 - 1335 soft, coarse grained sandstone (water)
 Well produced 12 gal per min approx.
 Cased with 2" galvanized pipe
 Cemented with 7 sacks of cement

Fee \$2.00 pd.

by *Betty C. C. C.* De

Delight Leslie, CLK. & Rec.

State of Montana
 County of Judith Basin
 Filed for record this 27th
 day of Feb. A.D. 1963 at 10:00
 o'clock A.M.

R.P. HATZINGER 14-15
 RESN Sec. 19-15-14

N. W. #231

File No.

T. 14 R. 15

DUPLICATE

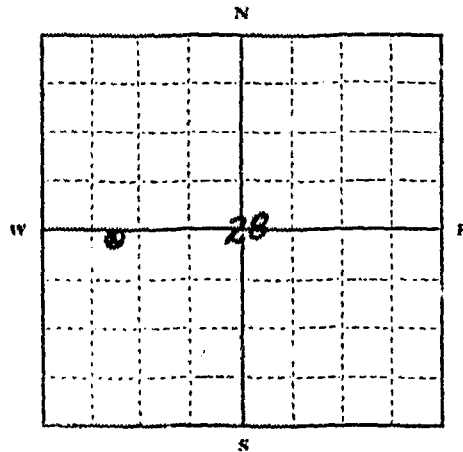
County Judith Basin

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 15 1964

Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

1. Jamie R. Stevenson, of Hobson, Montana
(Name of Appropriator) (Address) (Town)
County of Judith Basin State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4, SW 1/4, Sec. 28, T. 14, R. 15

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based stock water
3. Date or approximate date of earliest beneficial use; and how continuous the use has been October 9, 1957
continuous use
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 3.5 gallons per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
not used for irrigation
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal artesian pressure
NE 1/4, NW 1/4, SW 1/4 of Sec. 28, T. 14, R. 15.
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Commenced 9/10/57 - Completed 10/9/57
8. The depth of water table 12.80 feet
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Artesian well with 2" dia. galv. steel casing - total depth 1300 feet.
10. The estimated amount of groundwater withdrawn each year 200,000 gallons
11. The log of formations encountered in the drilling of each well if available
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

Signature of Owner Jamie R. Stevenson
Date Dec 30 - 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

32738

File No. 462

Jamie R. Stevenson

NE 1/4 NW 1/4 SW 1/4 Sec. 28-14-15

State of Montana

County of Judith Basin

Filed this 30th day of

December A. D. 1963 at

2:10 P. M.

Delight Leslie By Robert C. Brown
Deputy

ADMINISTRATORS
NORMAN J. BEAUDRY, EXEC. SEC.
P. O. BOX 217
HELENA, MONTANA 59601
DONALD A. GARRITY, ATTORNEY
422 NORTH PARK AVENUE
HELENA, MONTANA 59601
JUDSON D. SWEET,
PETROLEUM ENGINEER
16 POLY DRIVE
BILLINGS, MONTANA 59101
HERBERT D. HADLEY, GEOLOGIST
15 POLY DRIVE
BILLINGS, MONTANA 59101

STATE OF MONTANA



OIL AND GAS CONSERVATION COMMISSION

325 FULLER AVENUE
BOX 217
HELENA, MONTANA 59601

COMMISSIONERS
ALLEN ZIMMERMAN, CHAIRMAN
P. O. BOX 277
POPLAR, MONTANA 59255
L. V. HARRIS, VICE CHAIRMAN
HORSKY BLOCK BLDG.
HELENA, MONTANA 59601
E. G. BALSAM
2300 PEARL
MILES CITY, MONTANA 59501
C. J. IVERSON
WHITLASH, MONTANA 59545
WINSTON L. COX
525 SECURITIES BLDG.
BILLINGS, MONTANA 59101

May 11, 1971

Water Conservation Board
Water Resources Engineer
Sam W. Mitchell Building
Helena, Montana 59601

Dear Sir: Enclosed you will find a copy of a Release Agreement
for the utilization of a fresh water well.

Operator: Malone Et Al
Lease Name: Koven
Well No.: 1, WC NE SW, Section 30, Township 14N,
Range 15E
Judith Basin County

Yours very truly,

N. J. Beaudry
Norman J. Beaudry
Executive Secretary

NJB/ml

Encl:

cc: Mr. W. Vond
Bureau of Mines and Geology
Butte, Montana 59701

APPROVED BY:

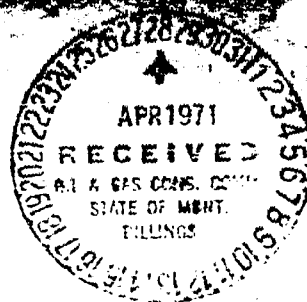
Oil and Gas Conservation Commission

Judson D. Sweet
Petroleum Engineer, Geologist, or Executive Secretary

Dated: *May 11, 1971*, 19

OIL AND GAS CONSERVATION COMMISSION
OF THE STATE OF MONTANA

RELEASE AGREEMENT



KNOW ALL MEN BY THESE PRESENTS, that I, Jamie Stevenson
of the County of Judith Basin in
the State of Montana, am the owner of the hereinafter described land upon which
a well for oil or gas was drilled, to-wit:

Operator Malone ET AL
Lease Name Hoven
Well No. 1 Sec. 30, Twp. 14N, Rge. 15E
The well is located 1980 feet N of the SOUTH
line and 1877 feet E of the West line.

That, in accordance with Regulation 233.6, Order No. 1-1, November 30,
1953, I do hereby notify the Oil and Gas Conservation Commission of the State
of Montana of my desire to utilize said well as a fresh water well; and, that
if such utilization is approved, I do hereby release and discharge the operator
hereinabove named from any further work or responsibility in relation to the
plugging of said well.

Water Use: Domestic _____ Municipal _____ Stock X Other _____
Industrial _____ Drainage _____ Irrigation X

Producing Depth 2000-2043 Producing Formation AMSDEN

Yield of well 15 gal per minute Annual Withdrawal _____

WITNESS my hand and seal this 15th day of DEC, 1970.

Jamie B. Stevenson (L.S)
Landowner
Address Haben, Mont.

IN THE PRESENCE OF:

Granette Harrison Address Haben
Address _____

APPROVED BY:

Oil and Gas Conservation Commission

Judson Chubb
Petroleum Engineer, Geologist, or Executive Secretary

Dated: May 1, 1971, 1971

GROUNDWATER INDEX

Page of

County Judith Basin Twp. 13N Rge. 11E

[illegible]

File No. _____

T. 13 N., R. 11 E.

DUPLICATE

County Judith Basin

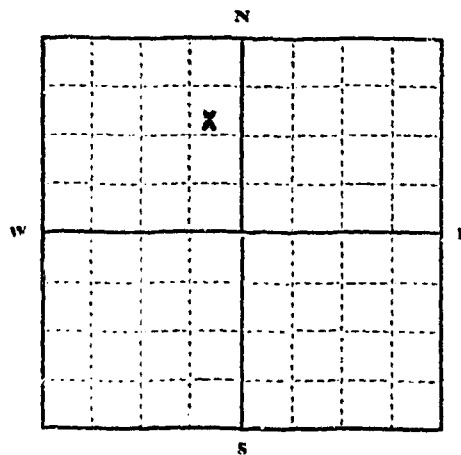
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. HUGHES LIVESTOCK CO., INC., of Stanford,
(Name of Appropriator) (Address) (Town)
County of Judith Basin State of Montana,
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NW 1/4 Sec. 2 T. 13N R. 11E

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based Household and watering livestock
3. Date or approximate date of earliest beneficial use; and how continuous the use has been July 11, 1915, with continuous use
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 gallons per minutes
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof NW 1/4, Section 2, Township 13 North, Range 11 East, owned by claimant.
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Hand pump on deep pipe in SE 1/4 of section 2, Township 13 North, Range 11 East.
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Commenced June 7, 1915; completed July 11, 1915
8. The depth of water table 100 feet
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Water drawn by hand pump on 4 and 6 inch pipe
10. The estimated amount of groundwater withdrawn each year 50,000 gallons
11. The log of formations encountered in the drilling of each well if available Gravel
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.

HUGHES LIVESTOCK CO., INC.

Signature of Owner Donald H. Hughes, President

Date December 18, 1963.

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

32651

File No. 374

Hughes Livestock Co., Inc.

NW 1/4 Sec. 2-13-11

State of Montana

County of Judith Basin

Filed this 26th day of
December A. D. 1963, at
2:05 P.M.

Delbert L. Lister
County Clerk.

Fee \$2.00 Paid

File No.

TRIPLICATE

NOV 25 1970

T. 12 R. 11

County Judith Basin

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION BOARDNotice of Completion of Groundwater
Appropriation by Means of Well
DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237 Montana Session Laws, 1961, as amended)

Owner Mont. Fish & Game Address Judith Lane Range

Driller Misamore Drilling Address Lewistown Mont.

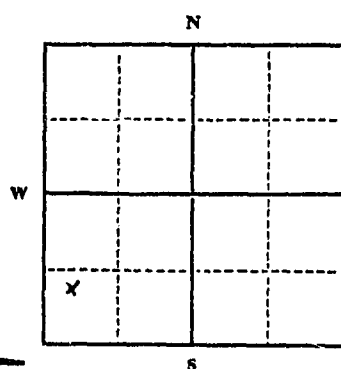
Date of Notice of appropriation of groundwater.....

Date well started Oct. 30, 1970 Date completed Nov. 7, 1970

Type of well Drilled Equipment used Cable Tool
(Dug, driven, bored or drilled) (Churn drill, rotary or other)Water use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Other ☐

Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which the water rises in the well.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	4 1/2" O.D. 6.75" per sq. ft. galv.	1' above ground	145'	Tool cut slots	90'	107'



Static Water Level for non-flowing well 85 feet.

Shut-in Pressure for Flowing Well.....

Pumping Water Level..... 88 feet

at approx. 23 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested Bailers & pump

Length of Test 1 hour each

Remarks: (Gravel packing, cementing, pack-

ers, type of shutoff) Packers

installed at 85'

and 12'

(Continue on reverse side)

USE—If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e.: Lot, Block and Addition).

Show exact depth of bottom.

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, tissue copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Driller's License Number

Larry Jennings
Driller's Signature.

47806

129865

#729

WATER WELL

SW 1/4 Sec. 13, Twp. 13N, Rge. 11E

Montana Fish & Game

State of Montana

County of Judith Basin

Filed for record this 24th
day of November 1970 A. D.
at 8:20 A. M. o'clock.

Delight Leslie, Co. Clerk

By Marian Belladonna Dep.

\$2.00 paid

File No.

T13 N. R11E.

DUPLICATE

County Judith Basin

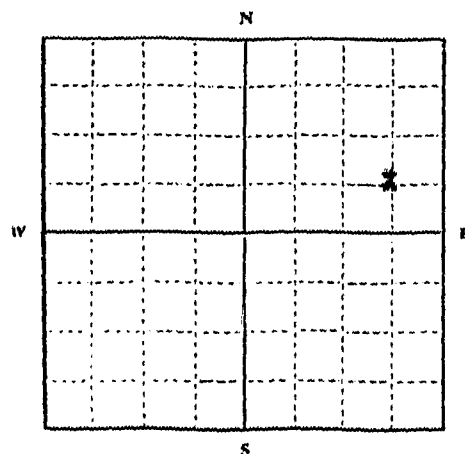
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 15 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961) STATE ENGINEER

1. Forest Service - USDA, of Stanford (Name of Appropriator) (Address) (Town)
County of Judith Basin State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



1/4 Sec. 35 T.13N R.11E

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based domestic and recreation - Judith Guard Station well
3. Date or approximate date of earliest beneficial use; and how continuous the use has been continuous since 1930
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 gallons per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof H.A.
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal by hand pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1930
8. The depth of water table 40 feet.
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 30 foot well.
10. The estimated amount of groundwater withdrawn each year 500 gallons.
11. The log of formations encountered in the drilling of each well if available Not available
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record Lewis & Clark water right #171.

USDA - FOREST SERVICE

Signature of Owner

Frederick B. Russell
District Forest Ranger
December 13, 1963

Date

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

32592

#315

VESTED GROUNDWATER RIGHTS

U. S. of America Forest Service

SE 1/4 Sec. 35-13-11

122024

State of Montana

County of Judith Basin

Filed for record this
17th day of Dec. A.D. 1963 at
9:00 o'clock A.M.

Delight Lealio, Clerk and R. O.

by Berty Chas. R. R. R. Dep.

Fee None

File No.

T. 13 R. 11E.

QUADRUPLICATE

County Judith Basin

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION BOARD

Notice of Completion of Groundwater
Appropriation by Means of Well
DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237 Montana Session Laws, 1967, as amended)

Owner Dr. Hugo Schroeder Address 686 Chippewa Ave.
St. Paul, Minn. 55107
Driller George W. Singley Address Lexington, Montana

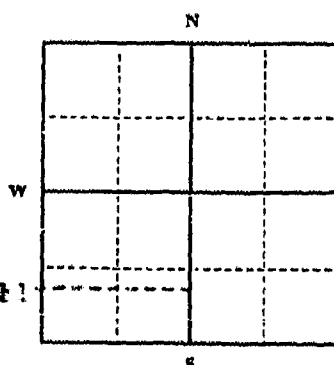
Date of Notice of appropriation of groundwater NoneDate well started July 17, 1971 Date completed July 23, 1971

Type of well Drilled Equipment used Rotary
(Dug, driven, bored or drilled) (Churn drill, rotary or other)

Water use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Other ☐

Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which the water rises in the well.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
7-7/8		0	40			
5-5/8		40	65			
	6" OD Above 5-7/8 ID gr. 1" Elastic PVC casing		40	5/16 holes	20	40



Static Water Level for non-flowing well 20 feet.

Shut-in Pressure for Flowing Well 0

Pumping Water Level 42 feet

at 2 gal. per minute.

Discharge in gal. per min. of flowing well 0

How Tested Air and Bailing

Length of Test 4 hrs.

Remarks: (Gravel packing, cementing, packers, type of shutoff)

1/4 Sec. T. 13N R. 11E
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

(Continue on reverse side)

USE—If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e.: Lot, Block and Addition).

Show exact depth of bottom.

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, tissue copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

19
Driller's License Number

Driller's Signature.

48901

File No. _____

T. 13 R. 11E.

QUADREPLICATE

County Judith Basin

LOG

AUG 30 1971

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION BOARD

Notice of Completion of Groundwater
Appropriation by Means of Well

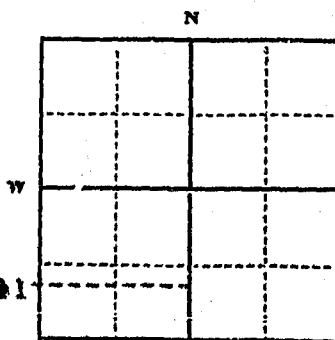
DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237 Montana Session Laws, 1961, as amended)

Owner Dr. Hugo Schroeder Address 656 Chippewa Ave.
St. Paul, Minn. 55107Driller George C. Singley Address Leavittown, MontanaDate of Notice of appropriation of groundwater NoneDate well started July 17, 1971 Date completed July 23, 1971Type of well Drilled Equipment used Rotary
(Dug, driven, bored or drilled) (Churn drill, rotary or other)Water use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Other ☐

Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which the water rises in the well.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
7-7/8		0	40			
5-5/8		40	65			
	6" OD Above 5-7/8 ID gr. 1" Plastic PVC casing		40	5/16 holes	20	40

Static Water Level for non-flowing well 20 feet.Shut-in Pressure for Flowing Well 0Pumping Water Level 42 feetat 2 gal. per minute.Discharge in gal. per min. of flowing well 0How Tested Air and BailingLength of Test 4 hrs.

Remarks: (Gravel packing, cementing, packers, type of shutoff) _____

1/4 Sec. 35 T. 11E R. 11E
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

(Continue on reverse side)

USE—If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e.: Lot, Block and Addition).

Show exact depth of bottom.

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, tissue copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

19

Driller's License Number

Driller's Signature.

48901

130478 #734

COMPLETION OF WELL

Dr. Hugo F. Schroeckenstein
Saint Paul, Minnesota

S/SE/4 Sec. 36, T. 13 R. 11 E.

State of Montana
County of Judith Basin

Filed for record this
18th day of August, 1971
at 10:10 A. M.

Delight Leslie, Co. Clerk

By R. E. Schaefer
Deputy

Fee: \$2.00 Paid

INDEXED KES

File No.

DUPLICATE

T. 13N R. 12E

County Judith Basin

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 15 1964

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 1880

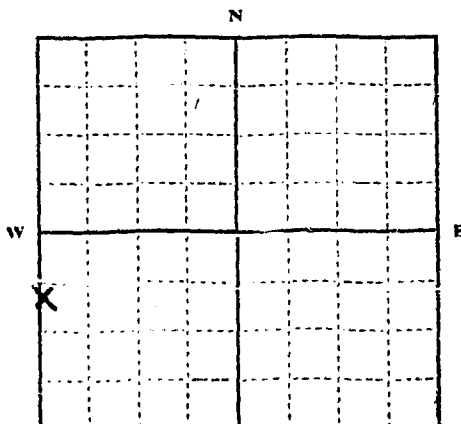
Owner Mrs. Edward Arnott (L. Phyllis Arnott) Address

Contractor (if any)

Address of Contractor

Date Started Date Completed

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Free flowing spring used for stock water



W 1/2 SW 1/4 Sec. 17 T. 13N R. 12E

Indicate point of appropriation and place of use, if possible.

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent

estimate approximate lengths of periods of use. estimated at 5 to 10 gallons per minute

Signature of Owner

Mrs. Edward Arnott
by John P. Arnott
Date 12-31-63

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

586

Mrs. Edward Arnott

Sec. 17-13-12

State of Montana
County of Judith Basin
Filed for record this
31st day of Dec. A.D. 1963
at 3:29 o'clock P.M.
Delight Leslie, Clk. & Rec.

by _____ Dep.
Fee \$1.00 pd.

RECEIVED
JAN 12 1964

CLERK OF DISTRICT COURT

File No.

T. 13N R. 12E

QUADRUPLICATE

County Judith Basin

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION BOARD

Top of Ground

(Elev. above sea level.....)

0 1 Topsoil
15 15 Drift material, gravel
15 19 Clay
19 20 Grey shale
20 28 Yellow shale
28 30 Green rock
30 40 Black silty shale
40 60 Green rock
60 80 Varied black and red slate
80 Light green sandstone and water

Notice of Completion of Groundwater
Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237 Montana Session Laws, 1961, as amended)

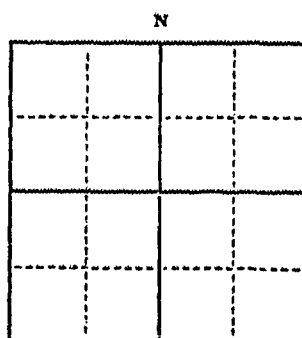
Sapphire Village

Owner Glenn Pitts Address Utica, MontanaDriller George O. Singley Address Lewistown, MontanaDate of Notice of appropriation of groundwater NoneDate well started Sept. 2, 1972 Date completed Sept. 6, 1972Type of well Drilled Equipment used Rotary
(Dug, driven, bored or drilled) (Churn drill, rotary or other)Water use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Other ☐

Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which the water rises in the well.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
7-7/8		0	20			
5-5/8		20	40			
5-1/8		40	80			
	4" ID Plastic	Above gr. 1'	80	5/16" holes	50	80

Doc. No. #755
Filed for record
this 20th day of October
A.D. 1972 at 11:00
o'clock A.M.



LOT #11, Block #14
Sapphire Village
subdivision.

SW 1/4 Sec. 19 T. 13 R. 12
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

Static Water Level for non-flowing well 50 feet.Shut-in Pressure for Flowing Well NonePumping Water Level 75 feet at 10 gal. per minute.Discharge in gal. per min. of flowing well NoneHow Tested Air and BailingLength of Test 1 hr.

Remarks: (Gravel packing, cementing, packers, type of shutoff).....

(Continue on reverse side)

USE—If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e.: Lot, Block and Addition).

Show exact depth of bottom.

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, tissue copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

19
Driller's License Number

Driller's Signature.

51,647

Filed No. 755

GLENN PITTS

Sapphire Village
Utica, Montana

SWPSWPNE 1/4 Sec. 18, Twp. 13,
Rgs. 12

State of Montana

County of Judith Basin

Filed this 20th day of
October A. D. 1972 at 11:00 A.M.

Delight Liskie
County Clerk

Fee \$2.00 Paid.

Form No. 18
8-60

18
T. 13N R. 12E

County Judith Basin

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
JUL 1 1961

WATER WELL LOG

STATE ENGINEER

Owner L. Phyllis Arnett Address Utica, Montana

Driller _____ Address _____

Date Started _____ Date Completed _____

Location: Sec. 18 T. 13N R. 12 $\frac{1}{4}$ sec. SE $\frac{1}{4}$ SE $\frac{1}{4}$

Type of well Dug Equipment used _____
(Dug, driven, bored, or drilled) (Churn, drill, rotary, other)

Water use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Other _____

Casing: 0 ft. to 18 ft. Type brick Size _____

Casing: _____ ft. to _____ ft. Type _____ Size _____

Casing: _____ ft. to _____ ft. Type _____ Size _____

Perforated or Screened: Ft. _____ to ft. _____. Ft. _____ to ft. _____

Type of screen or perforations _____

Static Water level, for non-flowing well: varies from 0 ft to 18 ft. feet.

Shut-in pressure, for flowing well: _____ lb./sq. in. on: _____ (date)

Pumping water level _____ feet at _____ gal. per min. _____

How tested: _____

Length of test _____

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

(over)

Water Well Log

L. Phyllis Amott

Filed this 29th day of
December A. D. 1961 at 3:15
P.M.

Delight Leslie, Clk. & Rec.

By Betty Quintana Dep

T. 13N. R. 12E.

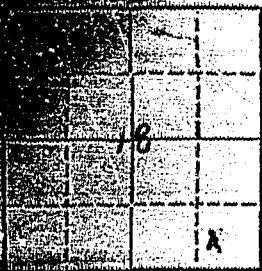
County Judith Basin

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED

WATER WELL LOG

STATE ENGINEER



Owner L. Phyllis Arnett Address Htica, Montana

Driller Address

Date Started Date Completed 1957

Location: Sec. 18 T. 13N. R. 12E. 1/4 sec. SE 1/4

Type of well Dug Equipment used
(Dug, driven, bored, or drilled) (Churn drill, rotary, other)

Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☒

Industrial ☐ Drainage ☐ Other:

Casing: 0 ft. to 4 ft. Type cement Size

Casing: 4 ft. to 14 ft. Type galvanized culvert Size 14 ft.

Casing: 14 ft. to 19 ft. Type natural shale Size

Perforated or Screened: Ft. to ft. Ft. to ft.

Type of screen or perforations

Static Water level, for non-flowing well: varies from 4 ft. to 11 ft. feet.

Shut-in pressure, for flowing well: lb./sq. in. on: (date)

Pumping water level: feet at gal. per min.

How tested:

Length of test:

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

(over)

Water Well Log

L. Phyllis Arnott

Filed for record this 29th
day of December A . D. 1961
at 3:10 P.M.

Delight Leslie, Clk. & Rec.

by Betty Crutcher Dep

Form No. 18
8-60

T. 13N R. 12E

County Judith Basin

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED

WATER WELL LOG

STATE ENGINEER

		19	

Owner L. Phyllis Arnott Address Utica, Montana

Driller _____ Address _____

Date Started _____ Date Completed _____

Location: Sec. 19 T. 13N R. 12E $\frac{1}{4}$ sec. SW $\frac{1}{4}$

Type of well Dug Equipment used _____
(Dug, driven, bored, or drilled) (Churn, drill, rotary, other)

Water use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Other _____

Casing: 0 ft. to 14 ft. Type brick Size _____

Casing: _____ ft. to _____ ft. Type _____ Size _____

Casing: _____ ft. to _____ ft. Type _____ Size _____

Perforated or Screened: Ft. _____ to ft. _____. Ft. _____ to ft. _____

Type of screen or perforations _____

Static Water level, for non-flowing well: varies from 3 ft. to 10 ft. feet.

Shut-in pressure, for flowing well: _____ lb./sq. in. on: _____ (date)

Pumping water level _____ feet at _____ gal. per min.

How tested: _____

Length of test _____

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

Filed this 13th day of Dec. A.D. 1961 Water Well Log #77

(over)

Form No. 18
8-60

T. 13N R. 12E

County Judith Basin

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

RECEIVED

STATE ENGINEER

	x	
	19	

Owner L. Phyllis Arnett Address Utica, Montana

Driller _____ Address _____

Date Started _____ Date Completed _____

Location: Sec. 19 T. 13N R. 12E $\frac{1}{4}$ sec. NE $\frac{1}{4}$

Type of well Dug Equipment used _____
(Dug, driven, bored, or drilled) (Gurn, drill, rotary, other)

Water use: Domestic ☐ Municipal ☐ Stock ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Other _____

Casing: 0 ft. to 16 ft. Type rock Size _____

Casing: _____ ft. to _____ ft. Type _____ Size _____

Casing: _____ ft. to _____ ft. Type _____ Size _____

Perforated or Screened: Ft. _____ to ft. _____. Ft. _____ to ft. _____

Type of screen or perforations varies from 6 ft. to 16 ft.

Static Water level, for non-flowing well: _____ feet.

Shut-in pressure, for flowing well: _____ lb./sq. in. on: _____ (date)

Pumping water level _____ feet at _____ gal. per min. _____

How tested: _____

Length of test _____

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

Filed this 11 13th day of Dec. A. D. 1961 Water Well Log #78

(over)

Form No. 18
8-60

T. 13N R. 12E

County Judith Basin

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED

WATER WELL LOG

STATE ENGINEER

Owner J. Phyllis Arnott Address Utica, Montana

Driller _____ Address _____

Date Started _____ Date Completed _____

Location: Sec. 19 T. 13N R. 12E $\frac{1}{4}$ sec. NE $\frac{1}{4}$

Type of well Dug Equipment used _____
(Dug, driven, bored, or drilled) (Churn, drill, rotary, other)

Water use: Domestic ☐ Municipal ☐ Stock ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Other _____

Casing: 0 ft. to 16 ft. Type brick Size _____

Casing: _____ ft. to _____ ft. Type _____ Size _____

Casing: _____ ft. to _____ ft. Type _____ Size _____

Perforated or Screened: Ft. _____ to ft. _____. Ft. _____ to ft. _____

Type of screen or perforations variable from 4 ft. to 16 ft.

Static Water level, for non-flowing well: _____ feet.

Shut-in pressure, for flowing well: _____ lb./sq. in. on: _____
(date)

Pumping water level _____ feet at _____ gal. per min. _____

How tested: _____

Length of test _____

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

Filed this 13th day of Dec., A.D., 1961 Water Well Log #79

(over)

T. 131. R. 137.

County.....Judith Basin.....

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED

WATER WELL LOG

STATE ENGINEER

Owner L. Phyllis Annott Address Utica, Montana

Driller Address

Date Started..... Date Completed 1884.....

Location: Sec. 19 T. 13N R. 12E. ¼ sec. NE

Type of well..... du 2 Equipment used.....
(Dug, driven, bored, or drilled) (Crown drill, rotary, other)

Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

Industrial ☐ Drainage ☐ Other:.....

Casing: 0 ft. to 18 ft. Type ~~normal~~ rock size

Casing:.....ft. to.....ft. Type..... Size.....

Casing:ft. toft. Type..... Size.....

Perforated or Screened: Ft..... to ft..... Ft..... to ft.....

Type of screen or perforations.....

Static Water level, for non-flowing well:..... varies from 4 ft. to 16 ft. feet

Shut-in pressure, for flowing well:.....lb./sq. in. on:.....
(date)

Pumping water level.....feet atgal. per min.....

How tested:

Length of test.....

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

(over)

Water Well Log
L. Myllis Arnoo

Filed for record this
29th day of Dec. A. D. 1961
at 3:25 P.M.

Delight Leslie, Clk. & Rec.

by Betty Crutcher Dep

19
T. 13 R. 12

County 12E

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
JAN 10 1960

WATER WELL LOG

STATE ENGINEER

		x	

Owner..... Address.....

Driller..... Address.....

L. Phyllis Arnott

Utica, Montana

Date Started..... Date Completed.....

John P. Arnott

Utica, Montana

Location: Sec. 19 T. 13 R. 12 1/4 sec. March, 1959

Type of well..... 19 Equipment used..... 12E NR1
(Dug, driven, bored, or drilled) (Churn drill, rotary, other)

Water use: Domestic ☒ Dug Municipal ☐ Stock ☐ Irrigation ☐

Industrial ☐ Drainage ☐ Other ☒

Casing:.....ft. to.....ft. Type..... Size.....

Casing:.....ft. to.....ft. Type..... Size.....

0 10 Gal. Culvert 4'

Casing:.....ft. to.....ft. Type..... Size.....

10 12 none

Perforated or Screened: Ft..... to ft..... Ft..... to ft.....

Type of screen or perforations.....

Static Water level, for non-flowing well:.....feet.

Shut-in pressure, for flowing well:.....lb./sq. in. on:.....
varies from 2" to 11" (date)

Pumping water level.....feet at.....gal. per min.....

How tested:.....

Length of test.....

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

(over)

Water Well Log
L. Phyllis Annott

Filed for record 29th
day of Dec. A. D. 1962 at 20
P. M.

Delight Leslie, Gsk. 200.

by Ruth, Gsk. Dep

Description of Material Drilled

Log of Well

File No.

DUPLICATE

T. 13 R. 12

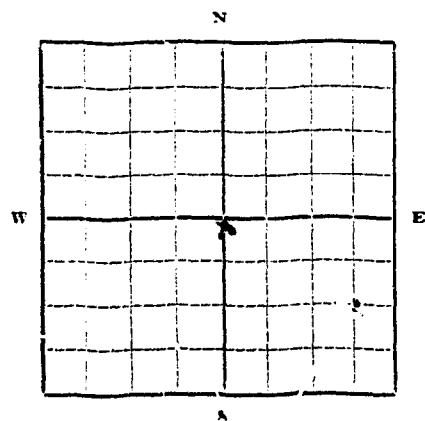
County Judith Basin

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. L. Phyllis Arnott of Utica
(Name of Appropriator) (Address) (Town)
County of Judith Basin State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4

Sec. 19 T. 13 R. 12

Indicate point of appropriation
and place of use, if possible.
Each small square represents 10
acres.

2. The beneficial use on which the claim is based Stock, domestic and irrigation
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1890 and has been in continuous use since that time.
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 20 gallons per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof the same description
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Electric pump installed.
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Started in 1890 and completed that date.
8. The depth of water table varies from 4 to about 14.
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Depth of well is 15ft. Well is rocked in.
10. The estimated amount of groundwater withdrawn each year 400,000
11. The log of formations encountered in the drilling of each well if available None
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record. None.

Signature of Owner

L. Phyllis Arnott

Date

Dec. 23rd, 1963.

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

32677

#403

L. Phyllis Arnett
HS 3W Sec. 19-13-12

State of Montana
County of Judith Basin

Filed this 27th day of
December A. D. 1963 at
10:40 o'clock A.M.

Delejit Paulie
County Clerk.

Fee \$2.00 Paid

File No.

DUPLICATE

T. 13N R. 12E

County Judith Basin

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 15 1964

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 1886

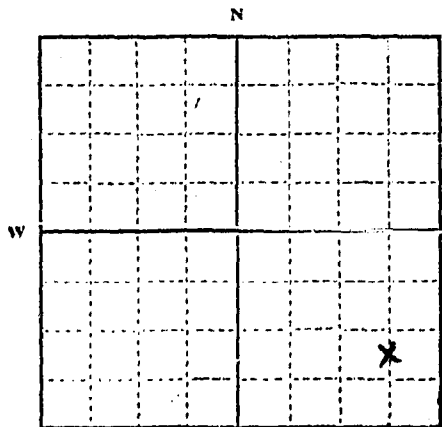
Owner Edward D. Arnett Address

Contractor (if any)

Address of Contractor

Date Started..... Date Completed.....

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. spring piped out for stock water



Sec. 1/4 Sec. 20 T. 13N R. 12E
Indicate point of appropriation and place of use, if possible.

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent

estimate approximate lengths of periods of use varies from 3 to 5 gallon per minute

Signature of Owner Mrs. Edward Arnett

by John D. Arnett
Date 1-2-30-63

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

583

Mrs. Edward Arnott

Sec. 20-13-12

State of Montana
County of Judith Basin
Filed for record this
31st day of Dec. A.D. 1963
at 3:31 o'clock P.M.
Delight Lucile, Clerk and Sec.
by Ruth L. Brown Sec.

RECEIVED

JAN 1 1964

STATE ENGINEER

G.

Approved Stock Form—State Publishing Co., Helena, Montana—42234

File No.

T. 13 R. 12

DUPLICATE

County Judith Basin

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

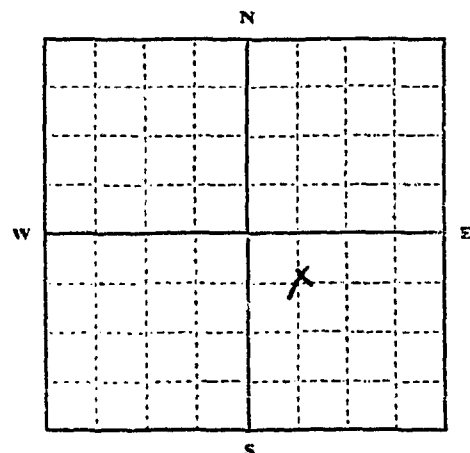
RECEIVED
JAN 15 1964

STATE ENGINEER

1. Hill, Joseph & Mary Ann of Utica
(Name of Appropriator) (Address) (Town)

County of Montana State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

Livestock



1/4 Sec. 22 T. 13 R. 12

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based.....

3. Date or approximate date of earliest beneficial use; and how continuous the use has been.....
1888 to present

4. The amount of groundwater claimed in inches or gallons per minute).....
5000 per minute

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof.....

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal.....
Hand pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.....
1900

8. The depth of water table.....
100 ft.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater.....
150 ft. well, 4" case

10. The estimated amount of groundwater withdrawn each year.....
20000 gal.

11. The log of formations encountered in the drilling of each well if available.....

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.....

Signature of Owner.....

Date.....

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

32749

473

Joseph & Mary Nan Hill

NW 1/4 Sec. 22-13-12

State of Montana

County of Judith Basin

Filed for record this

30th day of December A. D. 1963

at 3:05 P. M.

Delight Leslie, Clk. & Rec.

By Betty Ann Pomeroy
Deputy

FILED
JAN 13 1964
JUDITH BASIN

File No.

T 13 R 12

DUPLICATE

County Judith Basin

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

**Notice of Completion of Groundwater Appropriation
Without Well**

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 1920

Owner Charles J. Hill
Edward F. Arnett Address Utica

Contractor (if any) None

Address of Contractor None

Date Started 1920 Date Completed 1920

Describe means of obtaining groundwater without a well "as by
sub-irrigation and other natural processes". Include depth to
water when applicable.

Natural Spring with a pipe put

into it and pipe runs into a tank

Quantity of water developed and used with explanation of method
used to measure or estimate such amount. If use is intermittent

estimate approximate lengths of periods of use.

2 gallons per minute.

Signature of Owner

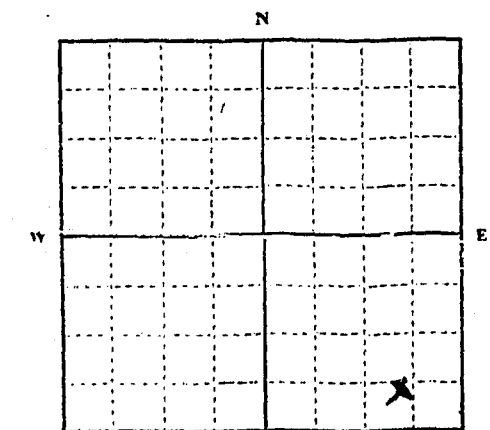
Date Dec. 23rd, 1963.

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the
works are located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana
Bureau of Mines and Geology and Quadruplicate for the Appropriator.



SE 1/4 Sec 27 T 13 R 12

Indicate point of appropriation
and place of use, if possible.

32682

406

Charles J. Hill and
Edward F. Arnett
SEVEN Sec. 27-25-22

State of Montana
County of Judith Basin

Filed this 27th day of
December A. D. 1963 at
10:50 o'clock A.M.

D. Leigh Public
County Clerk.

Fee \$2.00 Paid.

Form No. 18
8-60

13N

12E

29

T. Judith Basin

County

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED

STATE ENGINEER
Butte, Montana

L. WATER AMBIL LOG

	x	

Owner L. Phyllis Arnett Address

Driller Address before 1900

Date Started 29 13N 12E Date 30 Completed

Location: Dug Sec. T. R. $\frac{1}{4}$ sec.

Type of well Equipment used
(Dug, driven, bored, or drilled) (Churn, drill, rotary, other)

Water use: Domestic ☐ Municipal ☐ Stock ☐ Irrigation ☐
0 Industrial ☒ Drainage ☐ rockher

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

Perforated or Screened: Ft. to ft. . Ft. to ft.

Type of screen or perforations variable 6 ft to 14 ft.

Static Water level, for non-flowing well: feet.

Shut-in pressure, for flowing well: lb./sq. in. on: (date)

Pumping water level feet at gal. per min.

How tested:

Length of test

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

(over)

Water Well Log

L. Myllis Thott

Filed for record this 29th
day of Dec., 1961 A.D. ~~1961~~
at 3:05 P.M.

Delight Lottic, Clerk & Rec.

by Betty Runkner Dep

Form No. 18
8-60

30

T. 13N R. 12E
County Judith Basine

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

	30	

Owner L. Phyllis Arnett Address Utica, Montana
Driller _____ Address _____
Date Started _____ Date Completed _____
Location: Sec. 30 T. 13N R. 12E $\frac{1}{4}$ sec. NW $\frac{1}{4}$

Type of well Dug Equipment used _____
(Dug, driven, bored, or drilled) (Churn, drill, rotary, other)

Water use: Domestic ☐ Municipal ☐ Stock ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Other _____

Casing: 0 ft. to 10 ft. Type galvanized culvert Size 3 ft.

Casing: 10 ft. to 25 ft. Type brick Size _____

Casing: 25 ft. to 32 ft. Type cement Size _____

Perforated or Screened: Ft. _____ to ft. _____. Ft. _____ to ft. _____

Type of screen or perforations _____

Static Water level, for non-flowing well: 10 ft. to 32 ft. feet.

Shut-in pressure, for flowing well: _____ lb./sq. in. on: _____
(date)

Pumping water level _____ feet at _____ gal. per min. _____

How tested: _____

Length of test _____

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

Filed this 13th day of Dec., A.D. Water Well Log # 80
(over)

File No.

DUPLICATE

T. 13N R. 12E

County

Judith Basin

RECEIVED

JAN 15 1964

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

STATE ENGINEER

Notice of Completion of Groundwater Appropriation
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater

1890

Owner *Mrs. Edward Arnott* Address

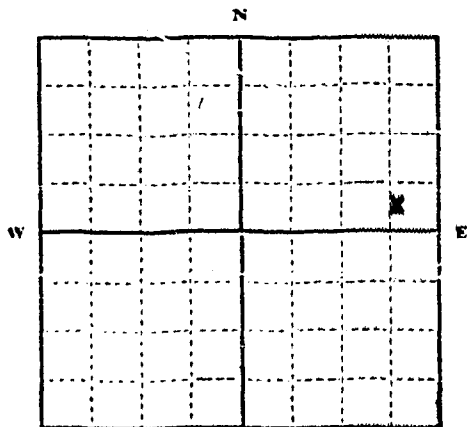
Contractor (if any)

Address of Contractor

Date Started

Date Completed

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. *spring piped out for stock water*



NE 1/4 Sec 22 T. 13N R. 12E

Indicate point of appropriation and place of use, if possible.

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent

estimate approximate lengths of periods of use. *1/2 to 1 1/2*

gallons per minute

Signature of Owner

Mrs. Edward Arnott
by John P. Arnott
Date *12-31-63*

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

587

Mrs. Edward Amott

Sec. 52-13-12

State of Montana
County of Judith Basin
Filed for record this
11th day of Dec. A.D. 1963
at 3:30 o'clock P.M.
Delight Leslie, Clerk & Rec.

by Delight Leslie Dep.

Fee \$2.00 pd.

RECORDED
INDEXED
JAN 13 1964
JUDITH BASIN

County.....Judith Basin.....

RECEIVED

STATE ENGINEER

	3A	
2		

Owner L. Phyllis Emmott Address Utica, Montana

Driller _____ Address _____

Date Started..... Date Completed..... 1904.....

Location: Sec. 32 T. 13N. R. 12E ¼ sec. 3NE

Type of well..... Dug Equipment used.....
(Dug, driven, bored, or drilled) (Churn drill, rotary, other)

Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐
Industrial ☐ Drainage ☐ Other:.....

Casing: 0 ft. to 11 ft. Type rock Size

Casing:ft. to.....ft. Type.....Size.....

Casing: ft. to ft. Type Size

Perforated or Screened: Ft..... to ft..... Ft..... to ft.....

Type of screen or perforations.....

Static Water level, for non-flowing well:.....varies from 0 ft. to 12 ft.feet.

Shut-in pressure, fo. flowing well: lb./sq. in. on: (date)

Pumping water level.....feet atgal. per min.....

How tested:.....

Length of test.....

Remarks: (Gravel packing, cement, l.g. packers, type of shut-off, depth of shut-off)

(over)

(over)

Water Well Log
Phyllis Arnott

Filed for record this
29th day of Dec., A.D. 1961
at 3:00 P.M.

Delight Leslie, Clk. & Rec.

by Betty O. O'Connor Dep.

Form No. 18
8-60

T. 13N. R. 12E

County Judith Basin

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED

STATE ENGINEER

WATER WELL LOG

	33		

Owner L. Phyllis Arnett Address Utica, Montana

Driller _____ Address _____

Date Started _____ Date Completed 1912

Location: Sec. 33 T. 13N R. 12E $\frac{1}{4}$ sec. SE $\frac{1}{4}$

Type of well Dug Equipment used _____
(Dug, driven, bored, or drilled) (Churn, drill, rotary, other)

Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐
Industrial ☐ Drainage ☐ Other _____

Casing: 0 ft. to 12 ft. Type rock Size _____

Casing: _____ ft. to _____ ft. Type _____ Size _____

Casing: _____ ft. to _____ ft. Type _____ Size _____

Perforated or Screened: Ft. _____ to ft. _____ Ft. _____ to ft. _____

Type of screen or perforations _____

Static Water level, for non-flowing well: varies from 0 ft. to 12 ft. feet.

Shut-in pressure, for flowing well: _____ lb./sq. in. on: _____ (date)

Pumping water level _____ feet at _____ gal. per min.

How tested: _____

Length of test _____

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

Filed This 13th day of December A.D. 1961 Water Well Log # 76

(over)

File No.....

T. 13 R. 12

DUPLICATE

County Judith Basin

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

STATE ENGINEER

**Notice of Completion of Groundwater Appropriation
Without Well**

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater.....1920

Owner Edward F. Arnett Address UticaContractor (if any) NoneAddress of Contractor None

Date Started.....1920 Date Completed.....1920

Describe means of obtaining groundwater without a well "as by
sub-irrigation and other natural processes". Include depth to
water when applicable.

Dug into Spring about 5 Ft.and cemented around the sides.

Quantity of water developed and used with explanation of method
used to measure or estimate such amount. If use is intermittent

estimate approximate lengths of periods of use.....

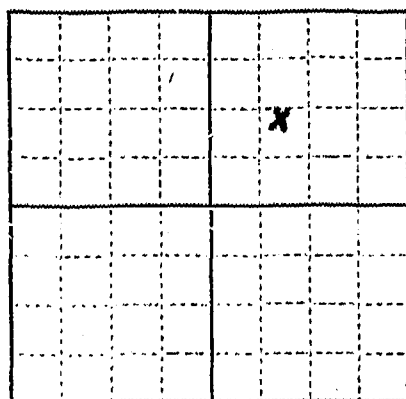
flows about 4 gallons per minuteSignature of Owner Edward F. ArnettDate Dec. 23rd, 1963.

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the
works are located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana
Bureau of Mines and Geology and Quadruplicate for the Appropriator.



SW/NE

1/4 Sec. 34 T. 13 R. 12

Indicate point of appropriation
and place of use, if possible.

344

WATER APPROPRIATION

EDWARD F. ARNOTT

SWEE Sec. 34-13-12

122079

State of Montana
County of Judith Basin

Filed for record this 23rd
day of Dec. A.D. 1963 at 11:40
o'clock A.M.

Delight Leslie, Clerk & Rec.

by Betty Crutman

Fee \$2.00 pd.

GROUNDWATER INDEX

Page of

County Judith Basin Twp. 13N Rge. 13E

[illegible]

T 13 R 13

County Judith Basin

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JAN 15 1964

JAN 15 1964

STATE ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

Map 4 Sub Sec. 4 T. 13 R. 13

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based Stock Water
3. Date or approximate date of earliest beneficial use; and how continuous the use has been Continually since No later than 1890
4. The amount of groundwater claimed (in miner's inches or gallons per minute) entire flow
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof Not used for irrigation
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Natural flow of spring - improved, developed
7. The date of the construction of the well, wells, or other works for withdrawal 1961
8. The size and depth of each well or the general specifications of any other structure 1 1/4" pipe and Tank
9. The amount of water withdrawn each year Not applicable
10. The cost of drilling of each well if available Not applicable
11. Any other facts or figures that may be useful in carrying out the policy of this act, including a true and correct copy of any record.

Signature of Owner _____

Date: Dec. 31, 1962

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

32844

File No. 568

Raymond K. Swang

Sec. 4-13-13

State of Montana

County of Judith Basin

Filed this 31st day
of December A. D. 1963
at 3:10 o'clock P.M.


County Clerk.

File No. _____

CONSERVATION BOARD

T. 13 R. 13

QUADRUPLICATE

OCT 27 1965

County Judith Basin

LOG

Bore

Date

City

Division

District

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Top of Ground

(Elev. above sea level _____)

0-3

3-15 Red Sand, clay.

15-17 Red Sandstone.

17-25 Brownish

Yellow Sand, clay.

25-40 Yellow Sand

Layers of Red

To Brown, Sand-

stone & clay

partings.

40-75 Red To

Yellow Sandstone

Water Bearing.

Approx. 76 ft.

**Notice of Completion of Groundwater
Appropriation by Means of Well**

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Owner Rosman Ranch Address _____Driller _____ Address _____

Date of Notice of appropriation of groundwater _____

Date well started _____ Date completed _____

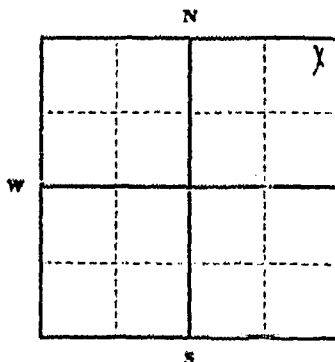
Type of well _____ Equipment used _____

(Dug, Driven, bored or drilled) (Churn drill, rotary or other)

Water use: Domestic ☐ Municipal ☐ Stock ☐ Irrigation ☐Industrial ☐ Drainage ☐ Other ☐

Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which the water rises in the well.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	4" O.D. Above	15	75	Tool	55	75
	1 1/2" L.D. Ground			cut		
	2 1/2" P.C.			2 1/2"		
	60 ft.			75 ft.		
				40-75		



Static Water Level for non-flowing well _____ feet.

Shut-in Pressure for Flowing Well _____

Pumping Water Level _____ feet

at _____ gal. per minute.

Discharge in gal. per min. of flowing well _____

How Tested Barrel TestLength of Test 1 Hr.

Remarks: (Gravel packing, cementing, pack-

ers, type of shutoff) As per___NEW 1/4 Sec. 4 T. 13 R. 13
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

(Continue on reverse side)

USE—If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e.: Lot, Block and Addition).

Show exposure of bottom.

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, tissue copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Driller's License Number

Driller's Signature

41,563

File No. _____

STATE OF MONTANA CONSERVATION BOARD

T. 13 R. 13

QUADREPLICATE

OCT 27 1965

County Judith Basin

LOG

 Borehole No. _____
 Date _____
 County _____
 Driller _____
 Dicker _____

STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE

OFFICE OF STATE ENGINEER

Top of Ground

(Elev. above sea level _____)

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

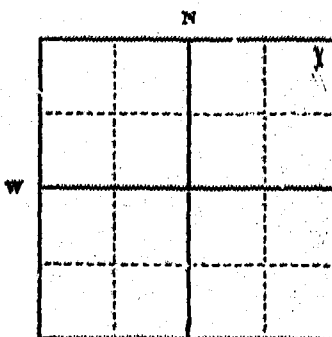
 0-3 - _____
 3-15 - Red Sand, Clay.
 15-17 - Red Sand Stone.
 17-25 - Brownish-
 Yellow Sand & Clay.
 25-60 - Alternating
 Layers of Red
 to Brown Sand-
 Stone & Clay
 Partings.
 60-75 - Red to
 Yellow Sand Stone.
 Water Bearing.
 Approx. 76 ft.
Owner Rosman Ranch Address 11 E. 1st, MontanaDriller Montana Drilling Co. Address Helena, Mont.

Date of Notice of appropriation of groundwater _____

Date well started 10/11/65 Date completed 10/11/65Type of well Drilled Equipment used Cable Tools
(Dug, Driver, bored or drilled) (Churn drill, rotary or other)
 Water use: Domestic ☐ Municipal ☐ Stock ☐ Irrigation ☐
 Industrial ☐ Drainage ☐ Other ☐

Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which the water rises in the well.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS
6"	4 1/2" O.D. 11.3 lb. ft.	1 ft. above ground	75 ft.	Kind Size From (Feet) To (Feet)
				5-5 75
				10" x 4"

Static Water Level for non-flowing well 25 feet.

Shut-in Pressure for Flowing Well _____

Pumping Water Level 80 feet

at _____ gal. per minute.

Discharge in gal. per min. of flowing well _____

How Tested Bailer TestLength of Test 1 hr.

Remarks: (Gravel packing, cementing, pack-

ers, type of shutoff) None

 NE 1/4 Sec. 4 T. 13 R. 13.
 Indicate location of well and place of use, if possible. Each small square represents 40 acres.

(Continue on reverse side)

USE—If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e.: Lot, Block and Addition).

Show exact depth of bottom.

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, tissue copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Driller's License Number

Driller's Signature

41,563

W. W. # 707

Resman Ranch
Utica, Mont.

WENE Sec. 4-13-13

State of Montana
County of Judith Basin
Filed for record this 25th
Oct. A.D. 1966 at 3:00 o'clock

Delight Leslie, Clk. & R.O.
by Petty, Chas. L.

GW 3

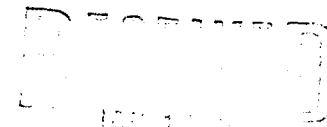
File No.

T. 13 N. R. 13 E.

DUPLICATE

County Judith Basin

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER



NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION WITHOUT WELL

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater July 1, 1915

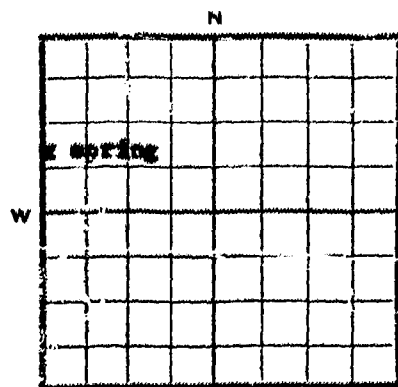
Owner Ida E. Mackenzie

Address Faribault, Minnesota

Contractor (if any) none

Address of Contractor none

Date Started same as above Date Completed same as above



Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. natural spring piped into

stock water tank, water at surface, used continuously

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent estimate approximate lengths of periods of use

5 gallons per minute, estimated.

Indicate point of appropriation and place of use, if possible.

Signature of Owner Ida E. Mackenzie

Date 12/20/63

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

#423

WATER APPROPRIATION

IDA E. MACKSFZIE

SWW Sec. 10-13-13

122172

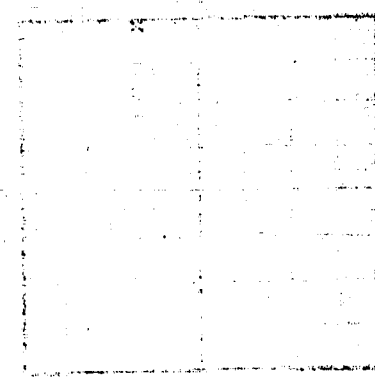
State of Montana
County of Judith Basin

Filed for record this
30th day of Dec. A.D. 1963
at 9:00 o'clock A.M.

Delight Leslie, Clerk and Sec.

by Betty Buckman Dep.

Fee \$2.00 pd.



After 15 minutes the time for business is closed